

Title (en)

METHOD AND SYSTEM FOR CONTROLLING A VEHICLE POWERTRAIN

Title (de)

VERFAHREN UND SYSTEM ZUR STEUERUNG EINES FAHRZEUGANTRIEBSSTRANGS

Title (fr)

PROCÉDÉ ET SYSTÈME POUR COMMANDER UN GROUPE MOTOPROPULSEUR DE VÉHICULE

Publication

**EP 3019731 A1 20160518 (EN)**

Application

**EP 14737191 A 20140703**

Priority

- GB 201312212 A 20130708
- EP 2014064180 W 20140703

Abstract (en)

[origin: GB2516036A] A method of controlling a vehicle powertrain includes determining that a performance feature associated with the powertrain is outside of a desired performance range. A plurality of operation parameters that are associated with the powertrain are identified that have a relationship to the performance feature. An adjustment is automatically made to at least one of the identified operation parameters to thereby bring the performance feature closer to the desired performance range. The plurality of operation parameters may be prioritized, and the parameter with the highest influence over the identified performance feature is adjusted. Other parameters may also be adjusted to bring the performance feature closer to the desired performance range. Mathematical models may be used. The performance feature may be outside the desired range due to an actuator failure.

IPC 8 full level

**F02D 41/22** (2006.01); **B60W 30/188** (2012.01); **B60W 50/029** (2012.01)

CPC (source: EP GB US)

**B60W 10/04** (2013.01 - GB US); **B60W 10/10** (2013.01 - US); **B60W 20/50** (2013.01 - GB); **B60W 30/182** (2013.01 - US); **B60W 30/188** (2013.01 - US); **B60W 30/1882** (2013.01 - EP US); **B60W 50/0205** (2013.01 - US); **B60W 50/029** (2013.01 - EP GB US); **F02D 41/146** (2013.01 - EP US); **F02D 41/22** (2013.01 - EP US); **B60W 2050/0014** (2013.01 - US); **B60W 2050/0093** (2013.01 - EP US); **B60W 2050/022** (2013.01 - US); **B60W 2050/0292** (2013.01 - EP US); **B60W 2540/30** (2013.01 - US); **B60Y 2300/472** (2013.01 - EP US); **B60Y 2300/476** (2013.01 - EP US); **B60Y 2400/432** (2013.01 - EP US); **B60Y 2400/442** (2013.01 - EP US); **F02D 41/0055** (2013.01 - EP US); **F02D 41/3836** (2013.01 - EP US); **F02D 2041/227** (2013.01 - EP US)

Citation (search report)

See references of WO 2015003992A1

Designated contracting state (EPC)

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Designated extension state (EPC)

BA ME

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**GB 201312212 D0 20130821**; **GB 2516036 A 20150114**; **GB 2516036 B 20170329**; CN 105378253 A 20160302; CN 105378253 B 20180713; EP 3019731 A1 20160518; JP 2016526641 A 20160905; JP 2018048639 A 20180329; JP 6546635 B2 20190717; US 10023194 B2 20180717; US 2016144862 A1 20160526; WO 2015003992 A1 20150115

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